

1 1. A method of treating an existing neoplastic cell
2 growth in a mammal, said method comprising administering to
3 the mammal an amount of nucleosomes effective to elicit in
4 the mammal the production of sufficient antinuclear
5 autoantibodies to inhibit neoplastic cell growth.

1 2. A method of claim 1, wherein said nucleosomes
2 comprise mammalian DNA.

1 3. A method of claim 1, wherein said nucleosomes
2 comprise bacterial DNA.

1 4. A method of claim 1, wherein said nucleosomes
2 are liposome-encapsulated.

1 5. A method of claim 1, wherein said mammal is a
2 human.

1 6. A method of claim 1, wherein said neoplastic
2 cell growth is malignant.

1 7. A method of claim 1, wherein said neoplastic
2 cell growth is benign.

1 8. A method of inhibiting neoplastic cell growth in
2 a mammal at risk for neoplastic cell growth, said method
3 comprising administering to the mammal an amount of
4 nucleosomes effective to elicit in the mammal the production
5 of sufficient antinuclear autoantibodies to inhibit
6 neoplastic cell growth.

1 9. The method of claim 8, wherein said nucleosomes
2 comprise mammalian DNA.

1 10. A method of claim 8, wherein said nucleosomes
2 comprise bacterial DNA.

1 11. A method of claim 8, wherein said nucleosomes
2 are liposome-encapsulated.

1 12. A method of claim 8, wherein said mammal is a
2 human.

1 13. A method of claim 8, wherein said human is at
2 risk for neoplastic cell growth.

1 14. A method of claim 8, wherein said neoplastic
2 cell growth is malignant.

1 15. A method of claim 8, wherein said neoplastic
2 cell growth is benign.

1 16. A composition for eliciting the production of
2 antinuclear autoantibodies in a mammal, said composition
3 comprising substantially pure nucleosomes and a
4 pharmaceutically acceptable carrier, diluent, or excipient.

1 17. A composition of claim 16, wherein said
2 nucleosomes are isolated from a eukaryotic cell.

1 18. The composition of claim 16, wherein said
2 nucleosomes are reconstituted in vitro from DNA and
3 histones.

1 19. The composition of claim 18, wherein said DNA
2 is from a eukaryotic cell.

1 20. The composition of claim 18, wherein said DNA
2 is from a bacterial cell.

3 21. A composition of claim 16, further comprising
4 liposome-encapsulated nucleosomes.

1 22. A composition of claim 16, further comprising
2 an adjuvant.